

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
24727-801FSERIAL NO.
10/043,356LIST OF PATENTS AND PUBLICATIONS
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
LaPointe *et al.*FILING DATE
January 11, 2002GROUP
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* References not enclosed

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	A	5	2	4	1	6	2	0	11/31/93	Ruggiero	395	22	01/03/91	
*	B	5	2	4	9	2	5	9	09/28/93	Harvey	395	13	05/28/92	
*	C	5	2	5	1	6	2	6	10/12/93	Nickolls, <i>et al.</i>	607	14	07/22/92	
*	D	5	3	0	1	6	8	1	04/12/94	DeBan, <i>et al.</i>	128	736	09/27/91	
*	E	5	3	3	1	5	5	0	07/19/94	Stafford, <i>et al.</i>	364	413.2	02/11/93	
*	F	5	4	7	3	5	3	7	12/05/95	Glazer, <i>et al.</i>	364	419.2	04/12/95	
*	G	4	0	9	9	5	8	7	06/11/78	Kaufmann	177	210	10/14/76	
*	H	4	8	7	4	9	6	3	10/17/89	Alspector	307	201	02/11/88	
*	I	4	9	6	5	7	2	5	10/23/90	Rutenberg	364	413.1	04/08/88	
*	J	5	0	9	6	8	3	0	03/17/92	Senyei <i>et al.</i>	436	65	09/15/88	
*	K	5	1	8	5	2	7	0	02/09/93	Senyei <i>et al.</i>	436	510	12/12/88	
*	L	5	2	2	3	4	4	0	06/29/93	Teng <i>et al.</i>	436	510	11/18/88	
*	M	5	2	3	6	8	4	6	08/17/93	Senyei <i>et al.</i>	436	65	07/18/91	
*	N	5	2	8	1	5	2	2	01/25/94	Senyei <i>et al.</i>	435	7.9	12/14/90	
*	O	5	4	0	5	3	6	2	04/11/95	Kramer <i>et al.</i>	607	5	12/20/93	
*	P	5	4	6	3	5	4	8	10/31/95	Asada <i>et al.</i>	364	413.02	04/28/93	
*	Q	5	4	6	8	6	1	9	11/21/95	Senyei <i>et al.</i>	435	7.94	05/12/93	
*	R	5	4	9	1	6	2	7	02/13/96	Zhang <i>et al.</i>	364	413.2	05/13/93	
*	S	5	5	0	3	1	6	1	04/02/96	Van Den Heuvel	128	773	10/25/93	
*	T	5	5	1	6	7	0	2	05/14/96	Senyei <i>et al.</i>	436	510	06/29/94	
*	U	5	5	3	3	5	1	9	07/09/96	Radke <i>et al.</i>	128	777	05/09/95	
*	V	5	5	6	0	3	7	0	10/01/96	Verrier <i>et al.</i>	128	705	05/26/95	
*	W	5	5	6	5	3	6	4	10/15/96	Schaefer <i>et al.</i>	436	43	02/22/95	
*	X	5	5	9	4	6	3	7	01/14/97	Eisenberg <i>et al.</i>	395	202	05/26/93	

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O I P E J C I
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P A T E N T & T R A D E M A R K O F F I C E

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	Y	5	1	5	7	7	3	3		10/20/92	Takeo et al.	382	6	06/07/91
*	Z	5	2	9	9	2	8	4		03/29/94	Roy	395	22	04/09/97
*	AA	5	3	0	4	4	6	8		4/19/94	Phillips et al.	435	14	01/26/93
*	AB	5	3	2	1	4	9	2		06/14/94	Detwiler et al.	356	73	08/07/92
*	AC	5	3	9	2	4	0	3		02/21/95	Kaufmann	395	275	04/23/92
*	AD	5	4	5	5	8	9	0		10/03/95	Wang	395	22	
*	AE	5	5	9	0	6	6	5		01/07/97	Kanai	128	898	11/10/94
*	AF	5	6	2	2	1	7	1		04/22/97	Asada et al.	364	413.01	04/14/95
*	AG	5	6	2	7	9	0	7		05/06/97	Gur et al.	382	128	05/06/97
*	AH	5	6	8	7	7	1	6		11/18/97	Kaufman et al.	128	630	11/15/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	Translation
*	AI	0	3	8	7	6	3	0		09/19/90	EP	--	--	
*	AJ	0	5	5	7	8	3	1		09/01/93	EP	--	--	X**
*	AK	0	6	1	6	2	9	1		01/02/94	EP A2	--	--	
*	AL	0	6	1	0	8	0	5		03/02/94	EP A2	--	--	
*	AM	0	6	4	4	4	1	4		03/22/95	EP A2	--	--	
*	AN	9	4	2	5	9	3	3		11/10/94	PCT	--	--	
*	AO	9	6	1	2	1	8	7		4/25/96	PCT	--	--	
*	AP	9	7	0	5	5	5	3		2/13/97	PCT	--	--	
*	AQ	9	7	0	9	6	7	8		3/13/97	PCT	--	--	
*	AR	9	7	1	7	8	9	1		5/22/97	PCT			
*	AS	9	7	3	0	9	9	6		8/28/97	PCT	--	--	X***

** Derwent English language abstract and/or English translation provided.

*** English Abstract included

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Technology Center 2100

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.).

*	AT	Alvager, <i>et al.</i> , "The use of artificial neural networks in biomedical technologies: An introduction", <u>Biomedical Instrumentation and Technology</u> pp. 315-322 (1994).
*	AU	Arden, "Internal Medicine: Internist", (available at http://www.spi.org/cgi...eeit&csum=110562327913 on 12/08/96).
*	AV	"Artificial intelligence systems in routine clinical use", (available on http://www.gretmar.com/ailist/list.html).
*	AW	Baxt, "Use of an artificial neural network for data analysis in clinical decision-making: The diagnosis of acute coronary occlusion", <u>Neural Computation</u> , 2:480-489 (1990).
*	AX	Baxt, "Use of an artificial neural network for the diagnosis of myocardial infarction", <u>Annals of Internal Medicine</u> , 115:843-848 (1991).
*	AY	Baxt, "Analysis of the clinical variables driving decision in an artificial neural network trained to identify the presence of myocardial infarction", <u>Annals of Emergency Medicine</u> , 21: 1439-1444 (1992).
*	AZ	Baxt, "Improving the accuracy of an artificial neural network using multiple differently trained networks", <u>Neural Computation</u> , pp. 772-780 (1992).
*	BA	Baxt, "Complexity, chaos and human physiology: the justification for non-linear neural computational analysis", <u>Cancer Letters</u> , 77:85-93 (1994).
*	BB	Baxt, "Application of artificial neural networks to clinical medicine", <u>Lancet</u> , 346:1135-1138 (1995).
*	BC	Baxt, "Bootstrapping confidence intervals for clinical input variable effects in a network trained to indentify the presence of acute myocardial infarction", <u>Neural Computation</u> , 7:624-638 (1995).
*	BD	Beksac, <i>et al.</i> , "An artificial intelligent diagnosis system with neural networks to determine genetical disorders and fetal health by using maternal serum markers", <u>European Journal of Obstetrics and Gynecology and Reproductive Biology</u> 59:131-136 (1995).
*	BE	Benediktsson <i>et al.</i> , Parallel consensual neural networks with optimally weighted output, <u>Proceedings of World Congress on Neural Networks</u> 3:129-137, 1994.
*	BF	"BioComp Systems, Inc.: Systems that learn, adapt and evolve", (available on http://www.bio-comp.com/products.htm on 11/21/96).

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT LaPointe <i>et al.</i>	RECEIVED
		FILING DATE January 11, 2002	GROUP Unassigned MAY 07 2002

* References not enclosed

Technology Center 2100

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.).

*	BG	Blinowska, <i>et al.</i> , "Diagnostica - A bayesian decision-aid system - applied to hypertension diagnosis", <u>IEEE Transactions on Biomedical Engineering</u> 40:230-235 (1993).
*	BH	Brickley, <i>et al.</i> , "Performance of a neural network trained to make third-molar treatment-planning decisions", <u>Medical Decision Making</u> 16:153-160 (1996).
*	BI	Brown, <i>et al.</i> , Finite training sample size effects on neural network pattern classification in low-dimensional feature space", pp. 96-101.
*	BJ	Burke, <i>et al.</i> , "Artificial neural networks for outcome prediction in cancer", pp. 53-56.
*	BK	Burke, Evaluating artificial neural networks for medical applications, <u>International Conference on Neural Networks</u> 4:2494-2495 (1997).
*	BL	Creasy and Resnik, <u>Maternal-fetal medicine: Principles and practice</u> , Ch 36, Sec. 18, p. 657, 1989.
*	BM	Davis, <i>et al.</i> , "Production systems as a representation for a knowledge based consultation program", <u>Artificial Intelligence</u> 8:15-45 (1977).
*	BN	Database Derwent WPI #009580780, citing European patent 557831 A, Instrument for determining optimum delivery time of foetus.
*	BO	Diller, W., "Horus computer-enhanced diagnostics", <u>In Vivo: The Business and Medicine Report</u> , pp. 3-10, 1997.
*	BP	EI-Deredy <i>et al.</i> , Identification of relevant features in /sup 1/H MR tumour spectra using neural networks, <u>Fourth International Conference on Artificial Neural Networks</u> pgs. 454-458 (1995).
*	BQ	Erickson, "What is cognitive computing?", part 2 of 3, (available at http://www.spi.org/cgi...seeit&csum=16068819102 on 12/08/96).
*	BR	Fahlman, <i>et al.</i> , "The cascade-correlation learning architecture", <u>Advances in Neural Information Processing Systems</u> 2, pp. 524-532 (1989).
*	BS	Fahlman, "Fast learning variations on back-propagation: An empirical study", <u>Proceedings on the 1988 Connectionist Models Summer School</u> , Pittsburgh, pp. 38-51 (1988).
*	BT	Furundzic <i>et al.</i> , Artificial neural networks for early breast carcinoma detection, <u>International Workshop on Neural Networks for Identification, Control, Robotics, and Signal/Image Processing</u> 355-359 (1996).

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*	BU	Gorzalczany, An idea of the application of fuzzy neural networks to medical decision support systems, <u>Proceedings of the IEEE International Symposium on Industrial Electronics</u> 1:398-403 (1996).
*	BV	Haddawy, "Decision systems and artificial intelligence laboratory", (available at http://www.cs.uwm.edu/~public/dsail/ on 11/21/96).
*	BW	Kahn, "Mammonet: Mammography decision supports system", (available at http://www.mcw.edu/midas/mammo.html on 11/21/96).
*	BX	Keller, <i>et al.</i> , "A novel approach to modeling and diagnosing the cardiovascular system" (available at http://www.emsl.pnl.gov:2080/docs/c...ural/papers2/keller.wcnn95.abs.html on 11/21/96).
*	BY	Kim <i>et al.</i> , Ensemble competitive learning neural networks with reduced input dimension, <u>Intl. J. of Neural Systems</u> 6(2):133-142, 1995.
*	BZ	Kol, <i>et al.</i> , "Interpretation of nonstress tests by artificial neural network", <u>American Journal of Obstetrics and Gynecology</u> 172:1372-1379 (1995).
*	CA	Kupinski <i>et al.</i> , Feature selection and classifiers for the computerized detection of mass lesions in digital mammography, <u>International Conference on Neural Networks</u> 4:2460-2463 (1997).
*	CB	Lapuerta, <i>et al.</i> , "Use of neural networks in predicting the risk of coronary artery disease", <u>Computers and Biomedical Research</u> 28:38-52 (1995).
*	CC	Logical Designs Consulting, Inc., "Thinks™ and ThinksPro™ Neural networks for windows: Your complete neural network development environment".
*	CD	MacLin, <i>et al.</i> , "Using neural networks to diagnose cancer", <u>Journal of Medical Systems</u> 15:11-19 (1991).
*	CE	Micheli-Tzanakou <i>et al.</i> , Myocardial infarction: diagnosis and vital status prediction using neural networks, <u>Computers in Cardiology</u> pgs. 229-232 (1993).
*	CF	Mobley, <i>et al.</i> , "Artificial neural network predictions of lengths of stay on a post coronary care unit", <u>Heart and Lung</u> 24:251-256 (1995).
*	CG	Modai, <i>et al.</i> , "Clinical decisions for psychiatric inpatients and their evaluation by trained neural networks", <u>Methods of Information in Medicine</u> 32:396-399 (1993).

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*	CH	Moneta <i>et al.</i> , Automated diagnosis and disease characterization using neural network analysis, <i>Institute of Electrical and Electronics Engineers - Emergent Innovations on Information Transfer Processing and decision Making</i> , Chicago, vol. 1 of 2: 123-128 (1992).
*	CI	"Multivariate statistical data reduction method", (available on http://www.spi.org/cgi...seeit&csum=17396875558 on 12/08/96).
*	CJ	Nejad <i>et al.</i> , Significance measures and data dependency in classification methods, <i>Instit. Elect. Electron. Engineers Intl. Conference on Neural Network Proceedings</i> , Australia: 1816-1822 (1995).
*	CK	"Neural informatics pearls of wisdom", (available on http://www.-smi.stanford.edu/people/...physiology/Neuro_Pearls.html#ANN-app on 11/21/96).
*	CL	<u>Neural Networks & intelligent systems newsletter</u> , Derwent Direct, Issue 3, (August, 1995).
*	CM	NTIS Published Search - "Neural networks: Applications" (September 1986-present).
*	CN	Ota and Maki, "Evaluation of autoantibody and CA125 in the diagnosis of endometriosis or adenomyosis", <u>Medicinal Research Reviews</u> 18(8):309 (1990).
*	CO	Pattichis, <i>et al.</i> , "Neural network Models in EMG Diagnosis", <u>IEEE Transactions on Biomedical Engineering</u> 42:486-495 (1995).
*	CP	P.E. Keller, "Artificial neural networks in medicine", Handout/Technology brief, Pacific Northwest Laboratory.
*	CQ	Penny, <i>et al.</i> , "Neural networks in Clinical Medicine", <u>Medical Decision Making</u> 16:386-398 (1996).
*	CR	Plate, "Re: neural nets", (available at http://www.gsf.de/msr/sift/msg00649.html on 11/21/96).
*	CS	Rachid <i>et al.</i> , Segmentation of sputum color image for lung cancer diagnosis <u>International Conference on Image Processing</u> 1:243-246 (1997).
*	CT	Rogers, <i>et al.</i> , "Artificial neural networks for early detection and diagnosis of breast and ovarian cancer", <u>Cancer Letters</u> 77:79-83 (1994).
*	CU	Ruck, <i>et al.</i> , "Feature selection in feed-forward neural networks", <u>Neural Networks Computing</u> 20:40-48 (1990).
*	CV	Rutledge, "An overview of medical decision-support systems", (available at http://www.medg.lcs.mit.edu/BIRT/absgeoff.htm on 11/21/96).

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*	CW	Sammet, "Pattern recognition applied to early diagnosis of heart attacks", (available at http://www.spi.org/cgi...seeit&csum=19641717994 on 12/08/96).
*	CX	Shiyi Xu <i>et al.</i> , Testability prediction for sequential circuits using neural networks, <u>Sixth Asian Test Symposium</u> pgs. 48-53 (1997).
*	CY	Siganos, "Neural networks in medicine", (available at http://scorch.doc.ic.ac.uk/~nd/suprise_96/journal/vol2/ds12/article2.html on 11/21/96).
*	CZ	Snow, <i>et al.</i> , "Artificial neural networks in the diagnosis and prognosis of prostate cancer: A pilot study", <u>The Journal of Urology</u> , 152:1923-1926 (1994).
*	DA	Solms, <i>et al.</i> , "A neural network diagnostic tool for the chronic fatigue syndrome", International Conference on Neural Networks, Paper No. 108).
*	DB	Stamey, "ProstAsure™: An information resource", (available at http://www.labcorp.com/prost3.htm on 11/21/96).
*	DC	Swaine, "Programming Paradigms - part 2", (available at http://www.spi.org/cgi...seeit&csum=17808028563 on 12/08/96).
*	DD	Turner, "Technology brief: Coronary artery disease diagnosis" (available on http://www.emsl.gov:2080/docs/cie/techbrief/CAD.techbrief.html on 11/21/96).
*	DE	Utans, <i>et al.</i> , "Input variable selection for neural networks: Applications to predicting the U.S. Business Cycle", IEEE pp. 118-122 (1995).
*	DF	Utans, <i>et al.</i> , "Selecting neural network architectures via the prediction risk: Application to corporate bond rating prediction", <u>Proceedings of the First International Conference on Artificial Intelligence Applications on Wall Street, Washington D.C.</u> , IEEE Computer Society Press. pp. 35-41 (1991).
*	DG	van Dyne <i>et al.</i> , "Using inductive machine learning, expert systems and case based reasoning to predict preterm delivery in pregnant women", Database and Expert Systems Applications, 5th Int'l Conf., DEXA 1994 Proceedings, Athens, Greece, Sept. 7-9, 1994, pp. 690-702.
*	DH	van Dyne <i>et al.</i> , "Using machine learning and expert systems to predict preterm delivery in pregnant women", Proceedings of the Tenth Conference on Artificial Intelligence for Applications, San Antonio, TX, March 1-4, 1994, pp. 344-350.
*	DI	Weinstein, <i>et al.</i> , "Neural networks in the biomedical sciences: A survey of 386 publications since the beginning of 1991", pp. 121-126.
*	DJ	Wenskay, "Neural networks: a prescription for effective protection", <u>The Computer Lawyer</u> 8:12-23 (1991).

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*	DK	Widman, "Expert systems in medicine", (available on http://amplatz.uokhsc.edu/acc95-expert-systems.html on 11/21/96).
*	DL	Wilding, <i>et al.</i> , "Application of Backpropogation neural networks to diagnosis of breast and ovarian cancer", <u>Cancer Letters 77:145-153.</u>
*	DM	Wong <i>et al.</i> , Fuzzy neural systems for decision making, <u>IEEE International Joint Conference on Neural Networks 2:1625-1637 (1991).</u>
*	DN	Young, "Diagnosis of acute cardiac ischemia", (available on http://www.library.ucs...1/Originals/young.html on 11/21/96).

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